

RACK AND PANEL VERSION

» K-LINE keyboards for integration in panel or rack.

K-LINE

K-642, K-842

Standard layout with integrated 38 trackball

- » Built-in 4H dimension
- » Fixing screws included for K-642
- » Fixing studs for K-842
- » Integrated 38 mm trackball, IP65 sealed (statically)
- » Versions:
 - 1) PS/2 + PS/2 version
 - 2) USB version



MAIN FEATURES

- » Compact keyboards with 101/102 or 104/105 OMRON B3F short-travel mechanical keyswitches
- » Long lifetime: more than 1 million operations
- » Actuating force: 2.55 N typically
- » Switch travel: 0.3 mm typically
- » PS/2 or USB standard communication protocols
- » Programmable keys with enable/disable function (USB interface only)
- » Support for the Protect function (USB versions only)
- » IP65 (from front side) protective membrane resistant to alcohol, diluted acids, diluted alkalis, esters, hydrocarbons, ketones and household cleaning agents
- » Different national layout membranes available (US English and German as standard)
- » Standard membrane colour: Pantone Warm Grey 2C
- » Standard MiniDIN6 or USB type A connector for keyboard connection
- » Standard PS/2 or USB pointing device (optional): trackball or touchpad
- » Desktop, panel and rack-mount versions
- » Operating temperature range: 0°C to + 40°C
- » Operating relative humidity range: <90% (non-condensing)
- » Storage temperature range: -10°C to + 50°C

PROTECTIVE MEMBRANE

» Keyboards with short-travel switches are protected by a foil with the printed layout, which is glued on top of the metal mask. The foil is made of high-quality textured polyester film and embossed with a screen-printed polyester film. It is resistant to chemicals, abrasions and scratches and has a long flex life.

Foil properties:

- » Foil material: AUTOTEX® V150
- » Profile texture: velvet
- » Thickness: 150µm ± 10%
- » Switch life: 5×10⁶ flexes (typical)
- » Tensile strength: 160-250 MPa

KEYSWITCHES

Short-travel keyswitch

- » Type: OMRON B3F-4005
- » Key travel: 0.3 ^{+0.2}/_{-0.1} mm
- » Lifetime: 1×10⁶ operations (minimal)
- » Actuating force: 255 ± 69 cN

POINTING DEVICES

38mm Trackball

- » Type: CursorControls P38
- » Ball size: Ø38.10 mm (1½")
- » Sealing type: Full-floating PTFE seal
- » IP protection grade: IP65 (statically)
- » Resolution (nominal): 241 pulses per ball revolution
- » Ball material: Thermoset Phenolic

	Power consumption:	Dimensions:	Packaging dimensions:	Package content:
K-642	35 mATYP	482.6 x 177.8 x 38 mm, 1490 g	508 x 238 x 58 mm, 1735 g	keyboard, rack fixing bolts and nuts (4 pieces)
K-842	35 mATYP	482.6 x 177.8 x 38 mm, 1490 g	508 x 238 x 58 mm, 1735 g	keyboard

